

REMARKS

Applicant respectfully requests reconsideration of this application, as amended, and consideration of the following remarks.

Amendments

Amendments to the Claims

Applicant has amended independent claims 1, 11 and 20 to clarify that Applicant's claimed invention operates within a terminal server environment, as that phrase is commonly understood in the computer arts. No new matter has been added as a result of these amendments as the phrase "terminal server" and "terminal server environment" were limitations included in the originally filed claims.

Claim 20 has also been amended to correct an instance of improper antecedent basis and claim 3 has been amended to correct a typographical error.

Objections

Objections to the Drawings under 37 C.F.R. § 1.84(p)(4)

The Examiner objected to the drawings because of incorrect labeling of arrows in Figures 5 and 6. Applicant is submitting herewith proposed drawing corrections and respectfully requests the withdrawal of the objections to the drawings.

Rejections

Rejections under 35 U.S.C. § 112, second paragraph

Claim 20

Claim 20 was rejected under 35 U.S.C. § 112, second paragraph for improper antecedent basis. Applicant respectfully submits that claim 20, as amended, satisfies the requirements of 35 U.S.C. § 112, second paragraph and respectfully requests the withdrawal of the rejection of the claim under § 112.

Rejections under 35 U.S.C. § 103

Claims 1-8 and 11-17

Claims 1-8 and 11-17 were rejected under 35 U.S.C. § 103(a) as being obvious over U.S. Patent 5,421,733 to Tso et al. in view of U.S. Patent 6,119,165 to Li et al. Both

A

Tso and Li qualify as prior art under 35 U.S.C. § 102(e) based on their issue dates of July 15, 2002 and September 12, 2000, respectively. Applicant does not admit that either Tso or Li is prior art and reserves the right to swear behind either reference at a later date. Nonetheless, Applicant respectfully disagrees with the rejection because the combination does not teach each and every element of the invention as claimed in amended independent claims 1 and 11, and the claims that depend from them.

Tso discloses a transcoding service that automatically translates content from one format into another when the content is requested by a client computer executing a software application, such as a browser. Tso discloses that the transcoding service may reside in a proxy server and that a separate virus scanning service may execute on the proxy server to ensure that the content sent to the client computer is free of viruses.

Li discloses a proxy server that displays its status to a client computer through a communications link created by executing a software module on the client. In one embodiment, the status from a virus scanning application executing on the proxy server is displayed to the client.

The Examiner has equated Tso's software browser and virus scanning application with Applicant's first and second applications, and has relied on Li's disclosed method of establishing a communications link between the proxy server and client as teaching Applicant's identification of a session identifier for a client by Applicant's second application.

Applicant's claimed invention operates in a terminal server environment, in which applications execute on a terminal server and not on a client computer. The phrases "terminal server" and "terminal server environment" are terms of art well-understood in the computer field as meaning the execution of an application on a terminal server, with the terminal server sending graphic commands to a remote client to create a user interface on the client computer through which input/output is passed between the client and the application executing on the server. Applicant has used the phrases consistent with their commonly accepted meanings in the art, such as for example, on page 3, line 24 through page 4, line 2. A terminal server is not equivalent in function or operation with a proxy server, as the Examiner appears to be asserting. Thus, the references relied on by the Examiner are non-analogous art that cannot teach or suggest Applicant's claimed

invention that operates within a terminal server environment. Moreover, non-analogous art cannot be used to establish a proper *prima facie* case of obviousness.

Furthermore, the combination of Tso and Li does not teach Applicant's invention as claimed. Neither Tso nor Li disclose a terminal server and thus the combination cannot be properly interpreted as teaching executing applications on a terminal server as claimed by Applicant. The browser application in Tso executes on the client, in contrast with the first application in Applicant's claimed invention that executes on the terminal server. Because Tso does not disclose a terminal server, there is nothing in Tso to suggest the browser can be executed on a terminal server. In addition, Applicant claims that the second application executing on the terminal server determines the session identifier for the client, but it is the module executing on the client in Li that establishes the communications link between client and the proxy server. Because Li does not disclose a terminal server, there is nothing in Li to suggest the module can be executed on a terminal server.

Because both Tso and Li are non-analogous art, and because neither Tso nor Li, nor the combination, teach each and every limitation in Applicant's independent claims 1 and 11, and the claims that depend from them, the combination cannot render obvious Applicant's invention as claimed. Therefore, Applicant respectfully requests the withdrawal of the rejection of claims 1-8 and 11-17 under 35 U.S.C. § 103(a) over the combination.

Claim 20

Applicant notes that claim 20 was not rejected over art but Applicant respectfully submits that claim 20 is also allowable over the references cited against claims 1-8 and 11-17 for at least the reasons set forth above.

Allowable Subject Matter

Applicant thanks the Examiner for indicating that claims 9, 10, 18 and 19 contain allowable subject matter if rewritten to include all the limitations of the claims from which they each originally depended. Applicant declines to amend the claims in this response because Applicant believes all the claims are patentable over the cited art for the reasons set forth above.

SUMMARY

In this response, claims 1, 3, 11 and 20 have been amended, with no claims cancelled or added. Therefore, claims 1-20 are currently pending. In view of the foregoing amendments and remarks, Applicant respectfully submits that the pending claims are in condition for allowance. Applicant respectfully requests reconsideration of the application and allowance of the pending claims.

If the Examiner determines the prompt allowance of these claims could be facilitated by a telephone conference, the Examiner is invited to contact Sue Holloway at (408) 720-3476.

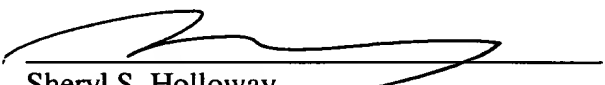
Deposit Account Authorization

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due. Furthermore, if an extension is required, then Applicant hereby requests such extension.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR
& ZAFMAN LLP

Dated: Jan 17, 2003


Sheryl S. Holloway
Attorney for Applicant
Registration No. 37,850

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-3476

A

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

Please amend the following claims:

1. (Amended) A method for unshared applications executing within a terminal server environment to interact with clients of a terminal server, wherein an application shared within the terminal server environment is executed as multiple instances on the terminal server instead of on the clients and the terminal server routes input/output for each instance to the client associated with the instance, the method comprising:

[sharing a first application with a client of a server, wherein said sharing comprises executing the first application on the server and routing by the terminal server of input/output for the first application to the client;]

executing a second application on the terminal server to interact with a first application shared within the terminal server environment, said second application being unshared and without routing by the terminal server of input/output for the second application to the clients of the terminal server;

determining, by the second application, a session identifier for [the] a client [corresponding to said] sharing [of] the first application within the terminal server environment; and

using the session identifier to send a message to the client instead of to the terminal server.

3. (Amended) The method of claim 1, further comprising:
using the session identifier to establish[ing] an input/output communication channel with the client.

11. (Amended) A readable medium having encoded thereon instructions for allowing unshared applications executing within a terminal server environment to interact with clients of a terminal server, wherein an application shared within the terminal server environment is executed as multiple instances on the terminal server instead of on the

A

clients and the terminal server routes input/output for each instance to the client associated with the instance, said instructions when executed capable of directing a processor to:

[share a first application with a client of a server, wherein said sharing comprises executing the first application on the server and routing by the terminal server of input/output for the first application to the client;]

execute a second application on the terminal server to interact with a first application shared within the terminal server environment, said second application being unshared and without routing by the terminal server of input/output for the second application to the clients of the terminal server;

determine, by the second application, a session identifier for [the] client [corresponding to said] sharing [of] the first application; and

use the session identifier to send a message to the client instead of to the terminal server.

20. (Amended) A system for unshared applications executing within a terminal server environment to interact with clients of a terminal server, wherein an application shared within the terminal server environment is executed as multiple instances on the terminal server instead of on the clients and the terminal server routes input/output for each instance to the client associated with the instance, the system comprising:

[a sharing arrangement for sharing a first application with a client of a server, wherein said sharing comprises executing the first application on the server and routing by the terminal server of input/output for the first application to the client;]

a file access monitor for monitoring file accesses by [the] a first application shared within the terminal server environment;

a virus scanning arrangement executing on the server for scanning accessed files for viruses;

a timer arrangement for timing said scanning accessed files for viruses;

a scan-termination arrangement for interrupting the virus scanning arrangement if said scanning accessed files for viruses does not complete within a timeout period;

means for determining, by the [second application] virus scanning arrangement, a session identifier for [the] a client [corresponding to said] sharing [of] the first application; and

means for sending a message, to the client according to the session identifier instead of to the terminal server, indicating said scanning accessed files for viruses timed out.

A